Amendments to the Claims

The following listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

1   1 (Previously Presented). A speech recognition system, comprising:

2   at least one recognizer to produce output signals from audio input signals based

3   at least in part on speech models and a grammar file, the grammar file including at least

4   one command syntax;

5   a feedback module to generate feedback data, the feedback module modifying

6   the speech models and the grammar file based on the feedback data to improve the

7   performance of the at least one recognizer; and

8   a controller adaptable to select one recognizer based at least in part on the

9   feedback data from the at least one recognizer for an input utterance, the selected

10   recognizer performing most accurately for the input utterance among the at least one

11   recognizer.

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1   2 (Previously Presented). The speech recognition system of claim 1, wherein the

2   controller is operable to coordinate production of the output signals.

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1   3 (Previously Presented). The speech recognition system of claim 1, wherein the

2 controller is adaptable to provide the feedback data to the at least one recognizer

3 wherein the at least one recognizer is operable to receive the feedback data.

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1   4 (Cancelled).

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1   5 (Previously Presented). The speech recognition system of claim 1, wherein the

2 controller is adaptable to store the feedback data in a storage.

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1   6 (Cancelled).

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1   7 (Previously Presented). The speech recognition system of claim 1, wherein the

2 feedback module modifies the grammar file by updating the grammar files to include a

3 weighting for possibilities based upon the feedback data.

1

1   8. (Cancelled).

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1   9 (Previously Presented). The system of claim 1, where the feedback module is

2 adapted to generate the feedback data based on internal analysis of at least one of the

3 grammar file, dialog progression, or the output signals.

1

1   10 (Previously Presented). The system of claim 1, wherein the feedback module

2 is adapted to generate the feedback data based on external inputs comprising at least

3   one of an annotated grammar file or information received through an application

4   programming interface.

1

1   11-15. (Cancelled)

1

1   16 (Previously Presented). A method for automatically tuning a speech

2   recognizer using feedback data, comprising:

3   converting an audio input signal to an output signal by the speech recognizer,

4   the speech recognizer having speech models and a grammar file, the grammar file

5   including at least one command syntax;

6   estimating a correctness measure based at least in part on the grammar file,

7   wherein the correctness measure expresses if the output signal is a correct

8   representation of the audio input signal;

9   generating feedback data, the feedback data including at least one of the audio

10   input signal, the output signal, and the correctness measure; and

11   using the feedback data to tune the speech recognizer by modifying the speech

12   models and the grammar file.

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1   17 (Previously Presented). The method of claim 16, further comprising storing

2   the feedback data.

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1   18 (Previously Presented). The method of claim 17, wherein storing the feedback

2   data comprises storing one of the group comprised of: only feedback data for which the

3　　correction measure indicates that the output signal was not correct and feedback data

4　　for which the correction measure indicates that the output signal was correct.

1

1　　　　19 (Previously Presented). The method of claim 16, wherein the feedback data is

2　　filtered according to a criterion.

1

1　　　　20 (Cancelled).

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1　　　　21 (Previously Presented). The method of claim 16, further comprising providing

2　　the feedback data to the speech recognition system in which the feedback data is being

3　　collected.

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1　　　　22 (Previously Presented). The method of claim 16 wherein estimating a

2　　correctness measure further comprises at least one of receiving information through an

3　　application programming interface, analyzing grammar files, or analyzing the output

4　　signal.

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1　　　　23 (Previously Presented). The method of claim 16, further comprising:

2　　　　　　assigning an identifier to the audio input signal; and

3　　　　　　including the identifier as part of the feedback data.

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1　　　　24 (Previously Presented). The method of claim 16, further comprising:

2　　　　　　identifying relevant contextual information; and

3   including the relevant contextual information as part of the feedback data.

1

1   25 (Previously Presented). An article comprising a machine-readable medium

2 that contains instructions, which when executed by a processing platform, cause said

3 processing platform to perform operations comprising:

4   converting an audio input signal to an output signal by a speech recognition

5 system, the speech recognizer having speech models and a grammar file, the grammar

6 file including at least one command syntax;

7   estimating a correctness measure based at least in part on the grammar file,

8 wherein the correctness measure expresses if the output signal is a correct

9 representation of the audio input signal, and estimating the correctness measure

10 includes analyzing dialog progression;

11   generating feedback data, the feedback data including at least one of the audio

12 input signal, the output signal, and the correctness measure; and

13   using the feedback data to tune the speech recognizer by modifying the speech

14 models and the grammar file.

1

1   26 (Previously Presented). The article of claim 25, wherein the operations further

2 comprise providing the feedback data to the speech recognizer in which the feedback

3 data is being collected.

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1   27 (Previously Presented). The article of claim 25, wherein the operations further

2 comprise utilizing the feedback data, wherein utilizing the feedback data includes at

3   least one of modifying the grammar file based on the feedback data, updating speech

4   models based on the feedback data, or updating a prediction mechanisms based on the

5   feedback data.

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1   28 (Previously Presented). The article of claim 25, wherein the operations further

2   comprise storing only those audio input signals for which the correction status indicates

3   that a correction to the output signal was necessary.

1

1   29 (Cancelled).

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1   30 (Previously Presented). The method of claim 16 wherein estimating a

2   correctness measure further comprises analyzing the output signal.